

PREPARATORY INSPECTION CHECKLIST

CONTRACT NO. _____ DATE: _____

TITLE: _____ SPECS. SECTION: _____

MAJOR DEFINABLE SEGMENT OF WORK: _____

A. PERSONNEL PRESENT:

	<u>NAME</u>	<u>POSITION</u>	<u>COMPANY</u>
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____
6.	_____	_____	_____
7.	_____	_____	_____
8.	_____	_____	_____
9.	_____	_____	_____
10.	_____	_____	_____

B. REVIEW OF PLANS AND SPECIFICATIONS

B-I. IDENTIFY EACH SPECIFICATION SECTION THAT WAS REVIEWED AT THIS PREPARATORY INSPECTION.

1. _____
2. _____
3. _____
4. _____
5. _____

B-II. IDENTIFY EACH CONSTRUCTION PLAN DETAIL OR SHEET THAT WAS REVIEWED AT THIS PREPARATORY INSPECTION.

1. _____
2. _____
3. _____
4. _____
5. _____

C. TRANSMITTAL INVOLVED

	<u>NUMBER & ITEM</u>	<u>CODE</u>	<u>CONTRACTOR OR GOVERNMENT APPROVAL</u>
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____
6.	_____	_____	_____

C-I. HAVE ALL ITEMS INVOLVED BEEN APPROVED? YES_____ NO_____

C-II. WHAT ITEMS HAVE NOT BEEN APPROVED?

	<u>ITEM</u>	<u>STATUS</u>
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____

D. ARE ALL MATERIALS ON HAND? YES_____ NO_____

D-I. ARE ALL MATERIALS ON HAND IN ACCORDANCE WITH APPROVALS? YES_____ NO_____

D-II. ITEMS NOT ON HAND OR NOT IN ACCORDANCE WITH TRANSMITTALS:

1. _____
2. _____
3. _____
4. _____

D. TESTS REQUIRED IN ACCORDANCE WITH CONTRACT REQUIREMENTS:

	<u>TEST</u>	<u>PARAGRAPH</u>
1.	_____	_____
2.	_____	_____
3.	_____	_____

E. ACCIDENT PREVENTION PREPLANNING – HAZARD CONTROL MEASURES:

E-I. APPLICABLE OUTLINES (ATTACH COMPLETED COPIES):

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

E-II. OPERATIONAL EQUIPMENT CHECKLISTS

ATTACHED FOR

1. _____
2. _____
3. _____

ON FILE FOR

1. _____
2. _____
3. _____

QUALITY CONTROL – PRIME CONTRACTOR

INITIAL INSPECTION CHECKLIST

CONTRACT NO: _____ DATE: _____

DESCRIPTION AND LOCATION OF WORK INSPECTED: _____

SPECS SECTION: _____ REFERENCE CONTRACT DRAWINGS: _____

A. PERSONNEL PRESENT:

	<u>NAME</u>	<u>POSITION</u>	<u>COMPANY</u>
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____
6.	_____	_____	_____
7.	_____	_____	_____
8.	_____	_____	_____
9.	_____	_____	_____
10.	_____	_____	_____

B. MATERIALS BEING USED ARE IN STRICT COMPLIANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS:

YES _____ NO _____

IF NOT, EXPLAIN: _____

C. PROCEDURES AND/OR WORK METHODS WITNESSED ARE IN STRICT COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT SPECIFICATIONS: YES _____ NO _____

IF NOT, EXPLAIN: _____

D. WORKMANSHIP IS ACCEPTABLE: YES _____ NO _____

STATE AREAS WHERE IMPROVEMENT IS NEEDED: _____

E. SAFETY VIOLATIONS AND CORRECTIVE ACTION TAKEN: _____

QUALITY CONTROL REPRESENTATIVE

PROPOSED CONTRACTOR-FURNISHED DISPOSAL AREA
(SOLICITATION No. _____)

Location of Disposal Area:

Quantity of Material: Material to be disposed of in the Contractor-Furnished Disposal Area is _____ CY
(cubic yards) of material.

Name of Owner:

Note:

1. Attached is a drawing of the disposal area showing dimensions, appurtenant property lines, etc.
2. Attached is a document containing written permission by the owner for use of the disposal area by:

(Name of Bidder)

3. Attached are documents containing written approval of the agencies listed in Section 02481,
“MAINTENANCE DREDGING”, paragraph 3.3.3.3 of this specification.

(Signature of Bidder)

CONSTRUCTION QUALITY CONTROL MANAGEMENT REPORT

DATE _____ REPORT NO. _____ CONTRACTOR _____

PROJECT NAME _____

CONTRACT NO. _____ LOCATION _____

WEATHER: TYPE _____

TEMPERATURE _____ (MAX) _____ (MIN)

RAINFALL _____ GAUGE READING _____

EMPLOYEES: SUPERVISORY _____ SKILLED _____ LABORERS _____

LENGTH OF SHIFT _____ HOURS

I. WORK RESPONSIBILITY: NAME (PRIME OR SUBCONTRACTOR) AND AREA OF RESPONSIBILITY

A. _____

B. _____

C. _____

D. _____

E. _____

II. WORK PERFORMED TODAY:

(LOCATION, DESCRIPTION, QUANTITY AND RESPONSIBILITY BY LETTER REFERENCE / RELATE TO ITEMS ON THE PROGRESS CHART OF CPM)

III. INSPECTION:

(DESCRIPTION OF INSPECTION AND LOCATION. INCLUDE OFF-SITE, MATERIALS, AND EQUIPMENT INSPECTION)

A. PREPARATORY PHASE:

B. INITIAL PHASE:

C. CONTINUOUS PHASE:

IV. RESULTS OF INSPECTIONS:

(INCLUDE FINDINGS, DEFICIENCIES OBSERVED AND CORRECTIVE ACTION)

V. TEST PERFORMED:

(TYPE, LOCATION, RESULTS INCLUDING FAILURES & REMEDIAL ACTION. ATTACHE COPY OF TEST REPORT OR NOTATION WHEN IT WILL BE FURNISHED)

VI. WORK ITEMS BEHIND SCHEDULE:

(REASON, EFFECT ON PROGRESS SCHEDULE AND ACTIONS TAKEN)

VII. JOB SAFETY:

(REPORT CONDITIONS, DEFICIENCIES, CORRECTIVE ACTION AND RESULTS)

VIII. REMARKS:

(LIST ATTACHMENTS AND OTHER MANAGEMENT ACTIONS TAKEN TO ASSURE QUALITY)

NOTE: IF INSPECTIONS AND RESULTS ARE NOT LISTED, THEN IT IS ASSUMED THAT QUALITY CONTROL IS NOT BEING IMPLEMENTED.

THE ABOVE REPORT IS COMPLETE AND CORRECT AND ALL MATERIALS AND SUPPLIES INCORPORATED IN WORK ARE IN COMPLIANCE WITH THE TERMS OF THE CONTRACT EXCEPT AS NOTED:

(CONTRACTOR'S APPROVED REPRESENTATIVE SIGNATURE)

BID BOND (See instructions on reverse)	DATE BOND EXECUTED (Must not be later than bid opening date)	FORM APPROVED OMB NO. 9000-0045
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Public reporting burden for this collection of information is estimated to average 25 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the FAR Secretariat (VRS), Office of Federal Acquisition Policy, GSA, Washington, D.C. 20405; and to the Office of Management and Budget, Paperwork Reduction Project (9000-0045), Washington, D.C. 20503.

PRINCIPAL (Legal name and business address)	TYPE OF ORGANIZATION ("X" one)
	<input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> JOINT VENTURE <input type="checkbox"/> CORPORATION
	STATE OF INCORPORATION

SURETY(IES) (Name and business address)

PENAL SUM OF BOND					BID IDENTIFICATION	
PERCENT OF BID PRICE	AMOUNT NOT TO EXCEED				BID DATE	INVITATION NO.
	MILLION(S)	THOUSAND(S)	HUNDRED(S)	CENTS		
					FOR (Construction, Supplies or Services)	

OBLIGATION:

We, the Principal and Surety(ies) are firmly bound to the United States of America (hereinafter called the Government) in the above penal sum. For payment of the penal sum, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally. However, where the Sureties are corporations acting as co-sureties with the Principal, we bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a prosecution or actions against any or all of us. For all other purposes, each Surety binds itself, jointly and severally with the Principal, to the payment of the sum shown opposite the name of the Surety. If no limit of liability is indicated, the limit of liability is the full amount of the penal sum.

CONDITIONS:

The Principal has submitted the bid identified above.

THEREFORE:

The above obligation is void if the Principal - (a) upon receipt by the Government of the bid identified above, within the period specified therein for acceptance (sixty (60) days if no period is specified), executes the further contractual documents and gives the bond(s) required by the terms of the bid as accepted within the time specified (ten (10) days if no period is specified) after receipt of the forms by the principal; or (b) in the event of failure to execute such further contractual documents and give such bonds, pays the Government for any cost of procuring the work which exceeds the amount of the bid.

Each Surety executing this instrument agrees that its obligation is not impaired by any extension(s) of the time for acceptance of the bid that the Principal may grant to the Government. Notice to the surety(ies) of extension(s) are waived. However, waiver of the notice applies only to extensions aggregating not more than sixty (60) calendar days in addition to the period originally allowed for acceptance of the bid.

WITNESS:

The Principal and Surety(ies) executed this bid bond and affixed their seals on the above date.

PRINCIPAL						
SIGNATURE(S)	1.	2.	3.		Corporate Seal	
	(Seal)	(Seal)	(Seal)			
NAME(S) & TITLE(S) (Type)	1.	2.	3.		Corporate Seal	
INDIVIDUAL SURETY(IES)						
SIGNATURE(S)	1.	2.			(Seal)	
	(Seal)	(Seal)				
NAME(S) (Type)	1.	2.			(Seal)	
CORPORATE SURETY(IES)						
SURETY A	NAME & ADDRESS			STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	SIGNATURE(S)	1.	2.			
	NAME(S) & TITLE(S) (Type)	1.	2.			

CORPORATE SURETY(IES) (Continued)

SURETY B	NAME & ADDRESS			STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	SIGNATURE(S)	1.	2.		\$	
	NAME(S) & TITLE(S) (Type)	1.	2.			
SURETY C	NAME & ADDRESS			STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	SIGNATURE(S)	1.	2.		\$	
	NAME(S) & TITLE(S) (Type)	1.	2.			
SURETY D	NAME & ADDRESS			STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	SIGNATURE(S)	1.	2.		\$	
	NAME(S) & TITLE(S) (Type)	1.	2.			
SURETY E	NAME & ADDRESS			STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	SIGNATURE(S)	1.	2.		\$	
	NAME(S) & TITLE(S) (Type)	1.	2.			
SURETY F	NAME & ADDRESS			STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	SIGNATURE(S)	1.	2.		\$	
	NAME(S) & TITLE(S) (Type)	1.	2.			
SURETY G	NAME & ADDRESS			STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	SIGNATURE(S)	1.	2.		\$	
	NAME(S) & TITLE(S) (Type)	1.	2.			

INSTRUCTIONS

1. This form is authorized for use when a bid guaranty is required. Any deviation from this form will require the written approval of the Administrator of General Services.
2. Insert the full legal name and business address of the Principal in the space designated "Principal" on the face of the form. A authorized person shall sign the bond. Any person signing in a representative capacity (e.g., an attorney-in-fact) must furnish evidence of authority if that representative is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved.
3. The bond may express penal sum as a percentage of the bid price. In these cases, the bond may state a maximum dollar limitation (e.g., 20% of the bid price but the amount not to exceed _____ dollars).
4. (a) Corporations executing the bond as sureties must appear on the Department of the Treasury's list of approved sureties and must act within the limitation listed therein. Where more than one corporate surety is involved, their names and addresses shall appear in the spaces (Surety A, Surety B, etc.) headed "CORPORATE SURETY(IES)." In the space designated "SURETY(IES)" on the face of the form insert only the letter identification of the sureties.
 (b) Where individual sureties are involved, a completed Affidavit of Individual Surety (Standard Form 28), for each individual surety shall accompany the bond. The Government may require the surety to furnish additional substantiating information concerning its financial capability.
5. Corporations executing the bond shall affix their corporate seals. Individuals shall execute the bond opposite the word "Corporate Seal"; and shall affix an adhesive seal if executed in Maine, New Hampshire, or any other jurisdiction requiring adhesive seals.
6. Type the name and title of each person signing this bond in the space provided.
7. In its application to negotiated contracts, the terms "bid" and "bidder" shall include "proposal" and "offeror."

PERFORMANCE BOND (See Instructions on reverse)		DATE BOND EXECUTED (Must be same or later than date of contract)	
PRINCIPAL (Legal name and business address)		TYPE OF ORGANIZATION ("X" one)	
		<input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> JOINT VENTURE <input type="checkbox"/> CORPORATION	
SURETY(IES) (Name(s) and business address(es))		STATE OF INCORPORATION	
		PENAL SUM OF BOND MILLION(S) THOUSAND(S) HUNDRED(S) CENTS CONTRACT DATE CONTRACT NO.	

OBLIGATION:

We, the Principal and Surety(ies), are firmly bound to the United States of America (hereinafter called the Government) in the above penal sum. For payment of the penal sum, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally. However, where the Sureties are corporations acting as co-sureties, we, the Sureties, bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any one of us. For all other purposes, each Surety binds itself, jointly and severally with the Principal, for the payment of the sum shown opposite the name of the Surety. If no limit of liability is indicated, the limit of liability is the full amount of the penal sum.

CONDITIONS:

The Principal has entered into the contract identified above

THEREFORE

The above obligation is void if the Principal —

(a)(1) Performs and fulfills all the undertakings, covenants, terms, conditions, and agreements of the contract during the original term of the contract and any extensions thereof that are agreed to by the Government, with or without notice to the Surety(ies), and during the life of any guaranty required under the contract, and perform and fulfill all the undertakings, covenants, terms conditions, and agreements of any and all duly authorized modifications of the contract that hereafter are made. Notice of those modifications to the Surety(ies) are waived.

(b) Pays to the Government the full amount of the taxes imposed by the Government, if the said contract is subject to the Miller Act, (40 U.S.C. 270a-270e), which are collected, deducted, or withheld from wages paid by the Principal in carrying out the construction contract with respect to which this bond is furnished.

WITNESS

The Principal and Surety(ies) executed this performance bond and affixed their seals on the above date.

PRINCIPAL				
Signature(s)	1.	2.	Corporate Seal	
	(Seal)	(Seal)		
Name(s) & Title(s) (Typed)	1.	2.		
INDIVIDUAL SURETY(IES)				
Signature(s)	1.	2.		
	(Seal)	(Seal)		
Name(s) (Typed)	1.	2.		
CORPORATE SURETY(IES)				
SURETY A	Name & Address	STATE OF INC.	LIABILITY LIMIT \$	
	Signature(s)	1.	2.	Corporate Seal
	Name(s) & Title(s) (Typed)	1.	2.	

NSN 7540-01-152-8060
PREVIOUS EDITION USABLE

25-106

STANDARD FORM 26 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR 53.228 (b))

CORPORATE SURETY(IES) (Continued)						
SURETY B	Name & Address			STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	Signature(s)	1.	2.		\$	
	Name(s) & Title(s) (Typed)	1.	2.			
SURETY C	Name & Address			STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	Signature(s)	1.	2.		\$	
	Name(s) & Title(s) (Typed)	1.	2.			
SURETY D	Name & Address			STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	Signature(s)	1.	2.		\$	
	Name(s) & Title(s) (Typed)	1.	2.			
SURETY E	Name & Address			STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	Signature(s)	1.	2.		\$	
	Name(s) & Title(s) (Typed)	1.	2.			
SURETY F	Name & Address			STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	Signature(s)	1.	2.		\$	
	Name(s) & Title(s) (Typed)	1.	2.			
SURETY G	Name & Address			STATE OF INC.	LIABILITY LIMIT	Corporate Seal
	Signature(s)	1.	2.		\$	
	Name(s) & Title(s) (Typed)	1.	2.			

BOND PREMIUM	▶	RATE PER THOUSAND	TOTAL
		\$	\$

INSTRUCTIONS

1. This form is authorized for use in connection with Government contracts. Any deviation from this form will require the written approval of the Administrator of General Services.

2. Insert the full legal name and business address of the Principal in the space designated "Principal" on the face of the form. An authorization person shall sign the bond. Any person signing in a representative capacity (e.g., an attorney-in-fact) must furnish evidence of authority if that representative is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved.

3. (a) Corporations executing the bond as sureties must appear on the Department of the Treasury's list of approved sureties and must act within the limitation listed therein. Where more than one corporate surety is involved, their names and addresses shall appear in the spaces (Surety A, Surety B, etc.) headed "CORPORATE

SURETY(IES)". In the space designated "SURETY(IES)" on the face of the form insert only the letter identification of the sureties.

(b) Where individual sureties are involved, two or more responsible persons shall execute the bond. A completed Affidavit of Individual Surety (Standard Form 28), for each individual surety, shall accompany the bond. The Government may require these sureties to furnish additional substantiating information concerning their financial capability.

4. Corporations executing the bond shall affix their corporate seals. Individuals shall execute the bond opposite the word "Corporate Seal", and shall affix an adhesive seal if executed in Maine, New Hampshire, or any other jurisdiction requiring adhesive seals.

5. Type the name and title of each person signing this bond in the space provided.

PAYMENT BOND <i>(See Instructions on reverse)</i>	DATE BOND EXECUTED <i>(Must be same or later than date of contract)</i>												
PRINCIPAL <i>(Legal name and business address)</i>	TYPE OF ORGANIZATION <i>("X" one)</i> <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> JOINT VENTURE </div> <div> <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> CORPORATION </div> </div> STATE OF INCORPORATION												
SURETY(IES) <i>(Name(s) and business address(es))</i>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="4" style="text-align: center;">PENAL SUM OF BOND</th> </tr> <tr> <td style="width: 25%;">MILLION(S)</td> <td style="width: 25%;">THOUSAND(S)</td> <td style="width: 25%;">HUNDRED(S)</td> <td style="width: 25%;">CENTS</td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> <td></td> </tr> </table> <div style="display: flex;"> <div style="width: 50%;"> CONTRACT DATE <div style="height: 20px;"></div> </div> <div style="width: 50%;"> CONTRACT NO. <div style="height: 20px;"></div> </div> </div>	PENAL SUM OF BOND				MILLION(S)	THOUSAND(S)	HUNDRED(S)	CENTS				
PENAL SUM OF BOND													
MILLION(S)	THOUSAND(S)	HUNDRED(S)	CENTS										

OBLIGATION:

We, the Principal and Surety(ies), are firmly bound to the United States of America (hereinafter called the Government) in the above penal sum. For payment of the penal sum, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally. However, where the Sureties are corporations acting as co-sureties, we, the Sureties, bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us. For all other purposes, each Surety binds itself, jointly and severally with the Principal, for the payment of the sum shown opposite the name of the Surety. If no limit of liability is indicated, the limit of liability is the full amount of the penal sum.

CONDITIONS:

The above obligation is void if the Principal promptly makes good on the claims of all persons having a direct relationship with the Principal or a subcontractor of the Principal for furnishing labor, material or both in the prosecution of the work provided for in the contract identified above, and any authorized modifications of the contract or subsequently are made. Notice of those modifications to the Surety(ies) are waived.

WITNESS:

The Principal and Surety(ies) executed this payment bond and affixed their seals on the above date.

PRINCIPAL						
Signature(s)	1.		2.		<i>Corporate Seal</i>	
		<i>(Seal)</i>		<i>(Seal)</i>		
Name(s) & Title(s) <i>(Typed)</i>	1.		2.			
INDIVIDUAL SURETY(IES)						
Signature(s)	1.		2.		<i>(Seal)</i>	
		<i>(Seal)</i>		<i>(Seal)</i>		
Name(s) <i>(Typed)</i>	1.		2.			
CORPORATE SURETY(IES)						
SURETY A	Name & Address			STATE OF INC.	LIABILITY LIMIT \$	<i>Corporate Seal</i>
	Signature(s)	1.	2.			
	Name(s) & Title(s) <i>(Typed)</i>	1.	2.			

CORPORATE SURETY(IES) (Continued)

SURETY B	Name & Address			STATE OF INC.	LIABILITY LIMIT \$	<i>Corporate Seal</i>
	Signature(s)	1.	2.			
	Name(s) & Title(s) (Typed)	1.	2.			
SURETY C	Name & Address			STATE OF INC.	LIABILITY LIMIT \$	<i>Corporate Seal</i>
	Signature(s)	1.	2.			
	Name(s) & Title(s) (Typed)	1.	2.			
SURETY D	Name & Address			STATE OF INC.	LIABILITY LIMIT \$	<i>Corporate Seal</i>
	Signature(s)	1.	2.			
	Name(s) & Title(s) (Typed)	1.	2.			
SURETY E	Name & Address			STATE OF INC.	LIABILITY LIMIT \$	<i>Corporate Seal</i>
	Signature(s)	1.	2.			
	Name(s) & Title(s) (Typed)	1.	2.			
SURETY F	Name & Address			STATE OF INC.	LIABILITY LIMIT \$	<i>Corporate Seal</i>
	Signature(s)	1.	2.			
	Name(s) & Title(s) (Typed)	1.	2.			
SURETY G	Name & Address			STATE OF INC.	LIABILITY LIMIT \$	<i>Corporate Seal</i>
	Signature(s)	1.	2.			
	Name(s) & Title(s) (Typed)	1.	2.			

INSTRUCTIONS

1. This form, for the protection of persons supplying labor and material, is used when a payment bond is required under the Act of August 24, 1935, 49 Stat. 793 (40 U.S.C. 270 a-270e). Any deviation from this form will require the written approval of the Administrator of General Services.

2. Insert the full legal name and business address of the Principal in the space designated "Principal" on the face of the form. An authorized person shall sign the bond. Any person signing in a representative capacity (e.g., an attorney-in-fact) must furnish evidence of authority if that representative is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved.

3. (a) Corporations executing the bond as sureties must appear on the Department of the Treasury's list of approved sureties and must act within the limitation listed therein. Where more than one corporate surety is involved, their names and addresses shall appear

in the spaces (Surety A, Surety B, etc.) headed "CORPORATE SURETY(IES)". In the space designated "SURETY(IES)" on the face of the form, insert only the letter identification of the sureties.

(b) Where individual sureties are involved, two or more responsible persons shall execute the bond. A completed Affidavit of Individual Surety (Standard Form 28), for each individual surety, shall accompany the bond. The Government may require these sureties to furnish additional substantiating information concerning their financial capability.

4. Corporations executing the bond shall affix their corporate seals. Individuals shall execute the bond opposite the word "Corporate Seal"; and shall affix an adhesive seal if executed in Maine, New Hampshire, or any other jurisdiction regarding adhesive seals.

5. Type the name and title of each person signing this bond in the space provided.

COST DATA

ITEMS

COST

PAYROLLS (<i>gross</i>) _____	\$ _____	
LESS SUBSISTENCE AND QUARTERS _____		\$ _____
SUBSISTENCE _____		
FUEL _____ BBLs. AT \$ _____		
WATER _____		
LUBRICANTS _____		
PLANT RENTAL _____		
INSURANCE _____		
ATTENDANT PLANT _____		
MISCELLANEOUS _____		
TOTAL PLANT OPERATING COST _____		
\$ _____ HAULED \$ _____ AGITATED		
SURVEYS _____	\$ _____	
INSPECTION AND SUPERVISION _____		
OVERHEAD _____		
OTHER INDIRECT COSTS _____		
	SUBTOTAL _____	
TOTAL COST _____		
TOTAL COST PER CUBIC YARD: _____	+ SHOALING	TOTAL COST TO
CREDITED	CREDITED - SCOURING	REMOVE EXCESS
JOB EST _____ \$ _____	\$ _____	\$ _____
THIS PERIOD _____ \$ _____	\$ _____	\$ _____
JOB TO DATE _____ \$ _____	\$ _____	\$ _____
OPERATING COST PER MINUTE AT WORK _____		\$ _____

FORMULA:

$$\frac{\text{EXCESS YARDAGE}}{\text{EXCESS} + \text{CREDIT}} \times \text{TOTAL COST}$$

$$\begin{matrix} \times \text{SHOALING} \\ - \text{SCOURING} \end{matrix}$$

(Based on effective plus noneffective time)

DATA FROM PLANT COST AND RENTAL LEDGERS		
BOOK VALUE _____	19	\$ _____
BALANCE IN PLANT RENTAL ACCOUNT _____		
ADDITIONS AND BETERMENTS TO VESSELS _____		
COSTS CHARGED TO PLANT RENTAL:		
DEPRECIATION _____		
CESSATION OF WORK _____		
REPAIRS TO HULL _____		
REPAIRS TO MACHINERY _____		
SMALL TOOLS, ROPE, ETC. _____		
TOTAL COST _____		

CHIEF BUDGET AND ACCOUNTS BRANCH

REMARKS

SUBMITTED BY

RECOMMENDED

APPROVED

TITLE

TITLE

TITLE

CORPS OF

DISTRICT ENGINEER

INSTRUCTIONS

1. Section I will be initiated by the Contractor in the required number of copies.
2. Each transmittal shall be numbered consecutively in the space provided for "Transmittal No.". This number, in addition to the contract number, will form a serial number for identifying each submittal. For new submittals or resubmittals mark the appropriate box; on resubmittals, insert transmittal number of last submission as well as the new submittal number.
3. The "Item No." will be the same "Item No." as indicated on ENG FORM 4288-R for each entry on this form.
4. Submittals requiring expeditious handling will be submitted on a separate form.
5. Separate transmittal form will be used for submittals under separate sections of the specifications.
6. A check shall be placed in the "Variation" column when a submittal is not in accordance with the plans and specifications--also, a written statement to that effect shall be included in the space provided for "Remarks".
7. Form is self-transmittal, letter of transmittal is not required.
8. When a sample of material or Manufacturer's Certificate of Compliance is transmitted, indicate "Sample" or "Certificate" in column c, Section I.
9. U.S. Army Corps of Engineers approving authority will assign action codes as indicated below in space provided in Section I, column i to each item submitted. In addition they will ensure enclosures are indicated and attached to the form prior to return to the contractor. The Contractor will assign action codes as indicated below in Section I, column g, to each item submitted.

THE FOLLOWING ACTION CODES ARE GIVEN TO ITEMS SUBMITTED

- | | |
|---|---|
| A -- Approved as submitted. | E -- Disapproved (See attached). |
| B -- Approved, except as noted on drawings. | F -- Receipt acknowledged. |
| C -- Approved, except as noted on drawings.
Refer to attached sheet resubmission required. | FX -- Receipt acknowledged, does not comply
as noted with contract requirements. |
| D -- Will be returned by separate correspondence. | G -- Other (<i>Specify</i>) |

10. Approval of items does not relieve the contractor from complying with all the requirements of the contract plans and specifications.

REPORT OF OPERATIONS—PIPELINE, DIPPER OR BUCKET DREDGES										REPORTS CONTROL SYMBOL ENG CW-0-13			
THRU:			TO:			FROM:			REPORT NO				
CHARACTER OF REPORT		<input type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK <input type="checkbox"/> DAILY <input type="checkbox"/> STATUS <input type="checkbox"/> COMPLETION <input type="checkbox"/> ANNUAL							DATE OR PERIOD				
		NAME AND TYPE			SIZE		PIPELINE		DIPPER OR BUCKET				
DREDGE		HORSEPOWER OF		DREDGE PUMP		SUCTION PIPE JET		CUTTER OR BUCKET		PROPULSION			
		NUMBER OF CREW MEMBERS		DREDGE		SHORE		OTHER PLANT		TOTAL			
PROJECT AND BAR		NAME			AUTH DIMENSIONS		WIDTH		DEPTH		OVERDEPTH		
		LOCATION (include station numbers)											
CHARACTER OF MATERIAL		ABSOLUTE DENSITY			IN PLACE DENSITY			VOIDS RATIO					
		GRAIN SIZE			G.M.S./liter			G.M.S./liter					
CONTRACT OR DREDGING ORDER		NUMBER			<input type="checkbox"/> CONTRACTOR <input type="checkbox"/> HIRED LABOR			TOTAL NO. OF DAYS ON WHICH WORK WAS DONE					
CHANNEL CONDITION		AVERAGE DEPTH		BEFORE DREDGING		AFTER DREDGING		MINIMUM SOUNDING		BEFORE DREDGING		AFTER DREDGING	
		RIVER STAGE		MINIMUM		TIME		MAXIMUM		TIME		GAGE LOCATION	
WEATHER CONDITION		(clear, cloudy, rain, snow, and fog)					VISIBILITY		WIND (maximum velocity & direction)				
							miles						
WORK PERFORMED						DISTRIBUTION OF TIME							
ITEM		UNIT		QUANTITY		EFFECTIVE WORKING TIME (chargeable to cost of work)				HOURS		MIN.	
AVERAGE WIDTH OF CUT		FEET				PUMPING OR DREDGING							
TOTAL ADVANCE THIS PERIOD		FEET				PCT. OF EFFECTIVE RENTAL TIME							
TOTAL ADV. PREVIOUS TO THIS PERIOD		FEET				BOOSTER (in line)				Hrs.		Min.	
TOTAL ADVANCE TO DATE		FEET				NON-EFFECTIVE WORKING TIME (chargeable to cost of work)							
FLOATING PIPE:		SHORE PIPE:				HANDLING PIPE LINES							
TOTAL LENGTH OF DISCHARGE PIPE		FEET				HANDLING ANCHOR LINES							
AVERAGE LIFT		FEET				CLEARING PUMP AND PIPE LINE							
AVERAGE PUMP SPEED		R.P.M.				CLEARING CUTTER OR SUCTION HEAD							
AVG. DREDGED PER PUMP, HR, GROSS		CU. YDS.				WAITING FOR SCOWS							
SCOWS LOADED		NUMBER				TO AND FROM WHARF OR ANCHORAGE							
AVERAGE LOAD PER SCOW		CU. YDS.				CHANGING LOCATION OF PLANT ON JOB							
CUBIC YARDS REMOVED						LOSS DUE TO OPPOSING NATURAL ELEMENTS							
AMOUNT DREDGED THIS PERIOD:						LOSS DUE TO PASSING VESSELS							
(1) GROSS (computed amount)						SHORE LINE AND SHORE WORK							
(2) CREDITED (pay place)						WAITING FOR BOOSTER							
AMOUNT PREVIOUSLY REPORTED:						MINOR OPER. REPAIRS (explain in remarks)							
(1) GROSS (computed amount)						WAITING FOR ATTENDANT PLANT							
(2) CREDITED (pay place)						PREPARATION AND MAKING UP TOW							
TOTAL AMOUNT DREDGED TO DATE:						TRANSFERRING PLANT BETWEEN WORKS							
(1) GROSS (computed amount)						LAY TIME OFF SHIFT AND SATURDAYS							
(2) CREDITED (pay place)						SUNDAYS AND HOLIDAYS							
ATTENDANT PLANT						FIRE DRILL							
ITEM		NAME OR NUMBER		HOURS		MISCELLANEOUS (explain in remarks)							
						TOTAL NON-EFFECTIVE WORKING TIME							
						PCT. OF NON-EFFECTIVE RENTAL TIME							
						TOTAL EFFECTIVE AND NON-EFFECTIVE TIME (chargeable to cost of work)							
						PCT. OF TOTAL TIME IN PERIOD							
						LOST TIME (not chargeable to cost of work)							
						MAJOR REPAIRS AND ALTERATIONS							
						CESSATION							
						COLLISIONS							
						MISCELLANEOUS (explain in remarks)							
NUMBER OF INSPECTIONS		BY DISTRICT PERSONNEL		BY DIV & OCE PERSONNEL		TOTAL LOST TIME							
						PERCENTAGE OF TOTAL TIME							
CONTRACT USE ONLY		HAS ANYTHING DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM? <input type="checkbox"/> NO <input type="checkbox"/> YES (If "YES", explain under remarks on back)				TOTAL TIME IN PERIOD							

SUMMARY OF COSTS					
ITEMS					COST
DIRECT PLANT OPERATING COSTS					
UNIFORM DAILY RATE BASIS <i>(To be completed when submitting Status and Completion reports.)</i>					
CHARGES: _____ DAYS AT \$ _____ PER DAY <i>(Item 19, ENG Form 22 (Costs) — adjusted to exclude plant increment cost.)</i>					
► OR ◀					
ACTUAL PLANT COSTS <i>(To be completed when submitting Annual report.)</i>					
PAYROLLS <i>(gross)</i>					\$
SUBSISTENCE & QUARTERS OR PER DIEM & MILEAGE.....					\$
FUEL _____ BARRELS AT \$ _____ PER BARREL.....					\$
WATER.....					\$
LUBRICANTS.....					\$
PLANT OWNERSHIP COSTS <i>(as computed below)</i>					\$
INSURANCE.....					\$
ATTENDANT PLANT.....					\$
MISCELLANEOUS.....					\$
SUBTOTAL—UNIFORM DAILY RATE OR ACTUAL COSTS.....					\$
SUBTOTAL—PLANT UNIT COST \$ _____ PER CUBIC YARD.....					
SHORE WORK					
SUBTOTAL—SHORE WORK COSTS.....					\$
SUBTOTAL—SHORE WORK UNIT COSTS \$ _____ PER CUBIC YARD.....					
OTHER COSTS					
SURVEYS.....					\$
INSPECTION AND SUPERVISION.....					\$
OVERHEAD.....					\$
OTHER INDIRECT COSTS.....					\$
SUBTOTAL—OTHER COSTS.....					\$
SUBTOTAL—OTHER UNIT COST \$ _____ PER CUBIC YARD.....					
GRAND TOTAL—ALL COSTS.....					\$
GRAND TOTAL—ALL UNIT COSTS \$ _____ PER CUBIC YARD.....					
OPERATING SUPPLIES					ANNUAL REPORT DATA <i>(complete when submitting Annual report)</i>
COMMODITIES	CONSUMED		INVENTORY		
	UNIT	QUANTITY	QUANTITY	VALUE	
FUEL <i>(oil)</i>	BBLs				COST PER RENTAL MINUTE <i>(Based on total operating cost)</i>
LUBRICANT <i>(oil)</i>	GAL				\$ per min.
LUBRICANT <i>(grease)</i>	LBS				TOTAL COST OF PLANT <i>(End of F.Y. reporting period)</i>
WATER	GAL				\$
					BOOK VALUE <i>(End of F.Y. reporting period)</i>
					\$
					BALANCE IN PLANT ACCOUNT <i>(End of F.Y. reporting period)</i>
					\$
					PLANT OWNERSHIP COSTS <i>(Actual for F.Y. reporting period):</i>
SUBSISTENCE SUPPLIES.....					DEPRECIATION.....
MISCELLANEOUS SUPPLIES.....					\$
TOTAL.....				\$	REPAIRS <i>(Adjusted)</i>
					\$
					CESSATION OF WORK.....
					\$
					SMALL TOOLS, ETC.....
					\$
REMARKS					TOTAL.....
					\$
SUBMITTED BY <i>(Name, title, and signature)</i>		RECOMMENDED BY <i>(Name, title, and signature)</i>		APPROVED BY <i>(Name, title, and signature)</i>	

General Decision Number IL020018General Decision Number **IL020018**

Superseded General Decision No. IL010018

State: Illinois

Construction Type:

DREDGING

MARINE

County(ies):

STATEWIDE

ILLINOIS, INDIANA, MICHIGAN, MINNESOTA, NEW YORK, OHIO,
PENNSYLVANIA AND WISCONSIN

DREDGING AND MARINE CONSTRUCTION

Dredging and Marine Construction Projects: floating/land equipment engaged in clamshell, backhoe and dragline dredging, marine construction, bridges, salvage operations and cranes, loaders, dozers, or other equipment used for disposal of dredge spoils or marine construction materials on land at the slip or dock, at the project site, where the above material/spoils is being handled, and all equipment utilized on breakwall/breakwater structures on the Great Lakes, Islands therein, their connecting and tributary waters, including the Illinois Waterway to the Loc at Lockport, Illinois, the New York State Barge Canal System between Tonawanda, New York and Waterford, New York and Oswego, New York, the Duluth-Superior area to the Fond du Lac Bridge Crossing (Minnesota State Highway 23) on the St. Louis River and on the St. Lawrence River eastward to the International Boundary near St. Regis, New York.

Modification Number Publication Date

0	03/01/2002
1	01/10/2003
2	03/07/2003

COUNTY(ies):

STATEWIDE

* SUIL2001A 01/01/2003

	Rates	Fringes
MECHANICAL DREDGING (CLAMSHELL, DRAGLINE, AND BACKHOE) AND MARINE CONSTRUCTION):		
FLOATING EQUIPMENT:		

Indiana:

Class I	34.60	11.55+b&c
Class II	33.10	11.55+b&c
Class III	29.45	11.55+b&c

Class IV	24.50	11.55+b&c
Illinois:		
Class I	38.35	11.55+b&c
Class II	36.85	11.55+b&c
Class III	32.80	11.55+b&c
Class IV	27.30	11.55+b+c
Michigan:		
Class I	26.75	14.58+b&c
Class II	25.25	14.58+b&c
Class III	22.50	14.58+b&c
Class IV	18.70	14.58+b&c
Minnesota:		
Class I	31.75	8.45+b&c
Class II	30.25	8.45+b&c
Class III	26.95	8.45+b&c
Class IV	22.40	8.45+b&c
New York:		
(Cattaraugus, Chautauga,		
Erie and Orleans Counties):		
Class I	26.96	13.56+b&c
Class II	25.46	13.56+b&c
Class III	22.66	13.56+b&c
Class IV	18.85	13.56+b&c
(Cayuga, Jefferson, Oswego,		
and St. Lawrence Counties):		
Class I	25.30	8.85+b&c
Class II	23.80	8.85+b&c
Class III	21.20	8.85+b&c
Class IV	17.65	8.85+b&c
(Niagara):		
Class I	24.90	11.90+b&c
Class II	23.40	11.90+b&c
Class III	20.80	11.90+b&c
Class IV	17.30	11.90+b&c
(Monroe and Wayne Counties		
and the City of Rochester):		
Class I	27.50	9.00+b&c
Class II	26.00	9.00+b&c
Class III	23.15	9.00+b&c
Class IV	19.25	9.00+b&c
Ohio:		
(Ashtabula, Cuyahoga, Erie,		
Lake, and Lorain Counties:		
Class I	32.36	7.10+b&c
Class II	30.86	7.10+b&c
Class III	27.47	7.10+b&c
Class IV	22.84	7.10+b&c
(Lucas, Henry, Ottawa,		

- b. Eight paid holidays: A thru H
- c. Hazardous/Toxic Waste Material:
 - *Level A \$2.50 per hour
 - *Level B 2.00 per hour
 - *Level C 1.00 per hour
 - *Level D 0.50 per hour

Such wages shall be above the classifications of work listed under mechanical dredging and Marine construction of this general wage decision.

*Working with Hazardous Waste at this level as defined by the U. S. Environmental Protection Agency.

CLASSIFICATION DESCRIPTIONS

Class I - Master Mechanic - assist and direct Class II, Class III, and Class IV, diver/wet tender, engineer (hydraulic dredge)

Class II - Crane/Backhoe Operator and Mechanic/Welder, assistant engineer(hydraulic dredge), leverman (hydraulic dredge), diver/tender

Class III - Deck Equipment Operator (Machineryman) Maintenance of Crane (over 50 ton capacity) or Backhoe (115,000 pounds or more), ug/launch operator, Loader/dozer and like equipment on Barge, breakwater wall, slip/dock, Scow, Deck Machinery, etc.

Class IV - Deck Equipment Operator(Machineryman/Fireman) (Four equipment units or more) and Crane Maintenance 50 ton capacity and under or Backhoe weighing 115,000 pounds or less, assistant tug operator.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

=====

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(ii)).

In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a

position on a wage determination matter

- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.
END OF GENERAL DECISION

General Decision Number MI020018General Decision Number **MI020018**

Superseded General Decision No. MI010018

State: Michigan

Construction Type:

HOPPER DREDGE WORK

County(ies):

ALCONA	EMMET	MENOMINEE
ALGER	GOGEBIC	MONROE
ALLEGAN	GRAND TRAVERSE	MUSKEGON
ALPENA	HOUGHTON	OCEANA
ANTRIM	HURON	ONTONAGON
ARENAC	IOSCO	OTTAWA
BARAGA	KEWEENAW	PRESQUE ISLE
BAY	LEELANAU	SANILAC
BENZIE	LUCE	SCHOOLCRAFT
BERRIEN	MACKINAC	ST CLAIR
CHARLEVOIX	MACOMB	TUSCOLA
CHEBOYGAN	MANISTEE	VAN BUREN
CHIPPEWA	MARQUETTE	WAYNE
DELTA	MASON	

HOPPER DREDGE CONSTRUCTION PROJECTS

Modification Number Publication Date

0

03/01/2002

COUNTY(ies):

ALCONA	EMMET	MENOMINEE
ALGER	GOGEBIC	MONROE
ALLEGAN	GRAND TRAVERSE	MUSKEGON
ALPENA	HOUGHTON	OCEANA
ANTRIM	HURON	ONTONAGON
ARENAC	IOSCO	OTTAWA
BARAGA	KEWEENAW	PRESQUE ISLE
BAY	LEELANAU	SANILAC
BENZIE	LUCE	SCHOOLCRAFT
BERRIEN	MACKINAC	ST CLAIR
CHARLEVOIX	MACOMB	TUSCOLA
CHEBOYGAN	MANISTEE	VAN BUREN
CHIPPEWA	MARQUETTE	WAYNE
DELTA	MASON	

SUMI5002A 01/29/1992

Rates

Fringes

SELF-PROPELLED HOPPER DREDGES:

Drag tender

8.78

4.23 + a

a. Nine paid holidays: New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Paul Hall's Birthday (Aug. 20th), Veterans Day, Thanksgiving Day and Christmas Day.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.
=====

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(v)).

In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

Administrative Review Board
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

<http://www.ceals.usace.army.mil/netacgi/nph-brs?s1=&op1=and&s2=MI020018&op2=and&s3=&op3=and&s4=&op4=and&SECT1=IMGOFF&...> 4/18/2003

BUFFALO HARBOR
SURVEY CONTROL DATA (44 SHEETS)

TO ACCESS THE BUFFALO HARBOR
SURVEY CONTROL DATA,
GO TO "PLANS" ON THE MENU BAR
AND SELECT "BUFFALO CONTROL DATA"

SEE SAFETY MANUAL LISTED UNDER SPECS

CONTRACTOR ACCIDENT PREVENTION PLAN (APP) CHECKLIST (EM 385-1-1, Appendix-A)

NOTE: 1. Contractor will complete Checklist and Submit with their APP.

NOTE: 2. LRB-SO will review Contractor APP and return to PM / COR.

NOTE: 3. Contractor APP's ARE NOT APPROVED by the USACE, only found as Acceptable or Non-Acceptable.

Safety Office Review Status: ACCEPTED BY-DATE: _____ NOT ACCEPTED BY/DATE: _____

Contractor Name: _____

Contract No: _____

Project Title & Location:	Included ?			Page(s)
	Yes	No	N/A	
ALL CHECKLIST ITEMS WILL BE COMPLETED!				
1. SIGNATURE SHEET. Title, signature, and phone number of the following:				
a. plan preparer (corporate safety staff person, QC);				
b. plan approval, e.g., owner, company president, regional vice president (HTRW activities require approval of a Certified Industrial Hygienist (or qualified Industrial Hygiene personnel for in-house USACE activities; a Certified Safety Professional (or qualified USACE safety personnel for in-house work) may approve the plan for operations involving UST removal where contaminants are known to be petroleum, oils, or lubricants);				
c. plan concurrence (provide concurrence of other applicable corporate and project personnel (contractor)), e.g., Chief of Operations, Corporate Chief of Safety, Corporate Industrial Hygienist, project manager or superintendent, project safety professional, project QC.				
2. BACKGROUND INFORMATION. List the following:				
a. contractor;				
b. contract number;				
c. project name;				
d. brief project description, description of work to be performed, and location (map);				
e. contractor accident experience (provide information such as EMR, OSHA 200 Forms, corporate safety trend analyses);				
f. listing of phases of work and hazardous activities requiring activity hazards analyses.				
3. STATEMENT OF SAFETY AND HEALTH POLICY. (In addition to the corporate policy statement, a copy of the corporate safety program may provide a significant portion of the information required by the accident prevention plan.)				
4. RESPONSIBILITIES AND LINES OF AUTHORITIES.				
a. Identification and accountability of personnel responsible for safety - at both corporate and project level (contracts specifically requiring safety or industrial hygiene personnel should include a copy of their resume - the District Safety and Occupational Health Office will review the qualifications for acceptance).				
b. Lines of authority				
5. SUBCONTRACTORS AND SUPPLIERS. Provide the following:				
a. identification of subcontractors and suppliers (if known);				
b. means for controlling and coordinating subcontractors and suppliers;				
c. safety responsibilities of subcontractors and suppliers.				
6. TRAINING.				
a. List subjects to be discussed with employees in safety indoctrination.				
b. List mandatory training and certifications which are applicable to this project (e. g., explosive actuated tools, confined space entry, crane operator, diver, vehicle operator, HAZWOPER training and certification, personal protective equipment) and any requirements for periodic retraining/recertification.				
c. Identify requirements for emergency response training.				

CONTRACTOR ACCIDENT PREVENTION PLAN (APP) CHECKLIST (EM 385-1-1, Appendix-A)

NOTE: 1. Contractor will complete Checklist and Submit with their APP.

NOTE: 2. LRB-SO will review Contractor APP and return to PM / COR.

NOTE: 3. Contractor APP's ARE NOT APPROVED by the USACE, only found as Acceptable or Non-Acceptable.

Safety Office Review Status: ACCEPTED BY-DATE: _____ NOT ACCEPTED BY/DATE: _____

Contractor Name: _____

Contract No: _____

Project Title & Location:	Included ?			Page(s)
	Yes	No	N/A	
d. Outline requirements (who attends, when given, who will conduct etc.) for supervisory and employee safety meetings.				
7. SAFETY AND HEALTH INSPECTIONS. Provide details on:				
a. who will conduct safety inspections (e.g., project manager, safety professional, QC, supervisors, employees, etc.), when inspections will be conducted, how the inspections will be recorded, deficiency tracking system, follow-up procedures, etc;				
b. any external inspections/certifications which may be required (e.g., Coast Guard).				
8. SAFETY AND HEALTH EXPECTATIONS, INCENTIVE PROGRAMS, AND COMPLIANCE.				
a. The company's written safety program goals, objectives, and accident experience goals for this contract should be provided.				
b. A brief description of the company's safety incentive programs (if any) should be provided.				
c. Policies and procedures regarding noncompliance with safety requirements (to include disciplinary actions for violation of safety requirements) should be identified.				
d. Provide written company procedures for holding managers and supervisors accountable for safety.				
9. ACCIDENT REPORTING. The contractor shall identify who shall complete the following, how, and when:				
a. exposure data (man-hours worked);				
b. accident investigations, reports and logs;				
c. immediate notification of major accidents.				
10. MEDICAL SUPPORT. Outline on-site medical support and off-site medical arrangements.				
11. PERSONAL PROTECTIVE EQUIPMENT. Outline procedures (who, when, how) for conducting hazard assessments and written certifications for use of personal protective equipment.				
12. PLANS (PROGRAMS, PROCEDURES) REQUIRED BY THE SAFETY MANUAL (as applicable).				
a. Hazard Communication (HAZCOM) Program (01.B.04);				
b. Emergency Response Plans that include:				
- procedures & test (01.E.01)				
- spill plans (01.E,06.A.02)				
- firefighting plan (01.E.01, 19.A.04)				
- posting of emergency telephone numbers (01.E.04)				
- wildfire prevention plan (09.K.01)				
- man overboard/abandon ship (19.A.04)				
c. layout plans (04.A.01);				
d. respiratory protection plan (05.E.01);				
e. health hazard control program (06.A.02);				
f. lead abatement plan (06.B.05 & specifications);				

CONTRACTOR ACCIDENT PREVENTION PLAN (APP) CHECKLIST (EM 385-1-1, Appendix-A)

NOTE: 1. Contractor will complete Checklist and Submit with their APP.

NOTE: 2. LRB-SO will review Contractor APP and return to PM / COR.

NOTE: 3. Contractor APP's ARE NOT APPROVED by the USACE, only found as Acceptable or Non-Acceptable.

Safety Office Review Status: ACCEPTED BY-DATE: _____ NOT ACCEPTED BY/DATE: _____

Contractor Name: _____

Contract No: _____

Project Title & Location:	Included ?			Page(s)
	Yes	No	N/A	
g. asbestos abatement plan (06.B.05 & specifications);				
h. abrasive blasting (06.H.01);				
i. confined space (06.I);				
j. hazardous energy control plan (12.A.07);				
k. critical lift procedures (16.C.17);				
l. contingency plan for severe weather (19.A.03);				
m. access and haul road plan (22.I.10);				
n. demolition plan (engineering and asbestos surveys) (23.A.01);				
o. emergency rescue (tunneling) (26.A.05);				
p. underground construction fire prevention and protection plan (26.D.01)				
q. compressed air plan (26.I.01)				
r. formwork and shoring erection and removal plans (27.B.02)				
s. lift slab plans (27.D.01)				
t. Site Health & Safety Plan(for HTRW work an SSHP must be submitted and shall contain all information required by the accident prevention plan - two documents are not required (28.B.01);				
u. blasting plan (29.A.01);				
v. diving plan (30.A.13);				
w. plan for prevention of alcohol and drug abuse (Defense Federal Acquisition Regulation Supplement Subpart 252.223-7004, Drug-Free Work Force);				
X. FALL PROTECTION PLAN & PROCEDURES (21.A-G.)				
13. The contractor shall provide information on how they will meet the requirements of major sections of EM 385-1-1 in the accident prevention plan. Particular attention shall be paid to excavations, scaffolding, medical and first aid requirements, sanitation, personal protective equipment, fire prevention, machinery and mechanized equipment, electrical safety, public safety requirements, and chemical, physical agent, and biological occupational exposure prevention requirements. Detailed site specific hazards and controls shall be provided in the activity hazard analysis for each phase of the operation.				

ENVIRONMENTAL PROTECTION PLAN TEMPLATE

ITEMS INDICATED IN RED TEXT ARE TO BE COMPLETED BY THE CONTRACTOR. INDICATE “N/A” IF NOT APPLICABLE.

NOTE: A Microsoft® Word file of the Environmental Protection Plan Template is included in the folder entitled “Template” on this CD-ROM.

ENVIRONMENTAL PROTECTION PLAN

Contract No. DACW49-##-#-####

Name of Contract

Name of Contractor

A. APPLICABLE LAWS, REGULATIONS, AND PERMITS

The following is a list of Federal, State, and local laws, regulations, and permits concerning environmental protection, pollution control, and abatement that are applicable to the proposed dredging operations:

Federal Water Pollution Control Act of 1972
Section 114 of the Clean Air Act
U.S. Coast Guard Regulation (33 CFR 156.120) Fuel Oil Transfer
EM 385-1-1, Spills and Clean up
Clean Water Act of 1977 (PL95-217) (33 U.S.C. 1344)
Marine Protection, Research, and Sanctuaries Act of 1972 (PL 92-532)
National Environmental Policy Act of 1969 (PL 91-910) (42USC 4321)
Fish and Wildlife Act of 1956 (16 U.S.C. 760c-760g)
Fish and Wildlife Coordination Act of 1968 (16 U.S.C. 661-665c)
Endangered Species Act of 1973 (16 U.S.C. 1531-1543)
Migratory Marine Game Fish Act of 1968 (16 U.S.C. 760c-760g)
National Historic Preservation Act of 1966 (16 U.S.C. 470)
Clean Air Act
Land and Water Conservation Fund Act of 1965
Watershed Protection and Flood Protection Act
Wild and Scenic Rivers Act of 1962
Rivers and Harbors Act of 1899, as amended
Coastal Zone Management Act
[Insert others as applicable]

B. PROTECTION OF ENVIRONMENTAL RESOURCES

1. Protection of Land Resources

a. Protection of the Landscape

- The following land resources to be preserved within the work area have been identified:

[Insert applicable land resources to be preserved within the work area]

- No removal, cutting, defacing, injury, or destruction to any land resources, including trees, shrubs, vines, grasses, topsoil and landforms, will occur without special permission from the Contracting Officer. No ropes, cables, or guys will be fastened or attached to any trees for anchorage unless specifically authorized. Effective protection for all land resources will be provided at all times.
- The landscape will be protected at all times. Any features indicated and defined on the drawings will be preserved and will be clearly identified by marking with tape or other approved techniques.
- Solid wastes will be placed in containers and will be emptied on a regular basis. All solid waste will be transported to a landfill and disposed of in compliance with Federal, State and local requirements, as indicated in Paragraph D, “Waste Disposal Area(s)”.
- Chemical waste will be stored in corrosion resistant containers and disposed of in accordance with Federal, State, and local requirements. Discarded materials will be disposed of as approved by the Contracting Officer, and in compliance with Hazardous Waste Laws and Regulations as indicated in Paragraph D, “Waste Disposal Area(s)”.
- Disposal areas on government property will be managed and controlled in accordance with the Contract Specifications and other directions.
- [Insert other applicable procedures to be implemented]

b. Preservation and Protection of Historical, Archaeological and Cultural Resources

- Known historical, archaeological and cultural resources within the Contractor’s work areas are indicated as follows:
[Insert applicable historical, archaeological, and cultural resources known to be within the work area]
- Protection for these resources will be provided as follows:
[Insert applicable protective measures to be employed]
- If, during dredging activities, items are observed that might have historical or archaeological value, such observations will be immediately reported to the

Contracting Officer so that the appropriate authorities may be notified and a determination can be made as to their significance and what, if any, special disposition of the finding should be made. All activities that may result in the destruction of these resources will be stopped, and all employees will be prevented from trespassing on, removing, or otherwise damaging such resources.

c. Post Construction Clean-Up

- All areas impacted by the dredging activities will be restored to a condition equal to or better than that which existed prior to the dredging operations. Final inspection of each area will be accomplished and all deficiencies will be corrected expeditiously.

d. Restoration of Landscape Damage

- All landscape features damaged outside the limits of construction will be restored as soon as practicable and in accordance with the Contract Specifications.

2. Protection of Air Resources

a. All dredging activities will be kept under surveillance at all times. All activities, equipment, processes and work operated or performed will be done in strict compliance with all applicable air pollution standards. Burning of trash on site will not be permitted.

b. All equipment will be operated so that exhaust emissions are held at or below satisfactory levels. All equipment will be properly maintained and tuned for efficiency.

c. All equipment used in this work will be equipped with satisfactory mufflers and sound abatement devices to reduce engine noise. The dredging operations will be conducted so as to comply with Federal, State, and local laws pertaining to noise.

d. [Insert other applicable procedures to be implemented]

3. Protection of Water Resources

a. Prevention of Water Pollution

- All dredging activities will be kept under surveillance, management, and control, to prevent pollution to surface and ground waters. Management

techniques to prevent pollution will be implemented as follows:

[Insert applicable protective measures to be employed]

- Only materials and equipment that do not violate water pollution standards will be used.
- All areas affected by dredging activities will be monitored on a continuous basis.
- [Insert other applicable procedures to be implemented]

b. Ground Water Protection

- Dredging activities will be conducted so as to preclude ground water pollution. Refer to Paragraph M.2, “Fueling Oil Spill Prevention and Clean Up”.
- [Insert other applicable procedures to be implemented]

c. Bilge Pumping

- Any oil discovered in the bilge water will be immediately absorbed using Coast Guard-approved absorbent material and under no circumstances will be pumped into waterways.

4. Protection of Fish and Wildlife Resources

- a. Dredging operations will be kept under surveillance, management and control so no interference or damage will occur to fish and wildlife.
- b. Native habitat or adjacent areas will not be disturbed .
- c. Measures will be taken for protection of species of fish and wildlife that require specific attention.
- d. [Insert other applicable procedures to be implemented]

C. PROTECTION OF ENVIRONMENTAL RESOURCES

The following procedures will be implemented to provide the required environmental protection, to comply with the applicable laws and regulations, and to correct pollution due to accident, natural causes, or failure to follow the procedures of this Environmental Protection Plan:

[Insert applicable procedures to be implemented]

D. WASTE DISPOSAL AREA(S)

1. Solid and/or liquid waste will be disposed of by the following:
[Insert name, address, and telephone number of applicable disposal facility]
2. Chemical waste will be disposed of by the following:
[Insert name, address, and telephone number of applicable disposal facility]
3. Copies of the licenses/permits of the respective disposal facilities are included in Attachment 1.

E. AREA DRAWINGS AND PLANS

As necessary, drawings showing locations of any proposed excavations or embankments for haul roads, material storage, sanitary facilities, and stockpiles of excess spoil materials to assure compliance with this plan have been included in Attachment 2. A work area plan is included, showing the proposed activity in each portion of the area identifying areas of limited or prohibited access.

F. ENVIRONMENTAL MONITORING PLANS

1. Equipment and vehicles will be monitored and kept in proper operating condition to minimize emissions. Equipment will be shut down when not in use.
2. Heating devices will be checked and will be of a type that will not cause pollution.
3. Frequent visual checks will be made for any possible oil leaks/spills, and if found, immediate appropriate action, including reporting, will be taken.
4. Sound and noise pollution will be kept under surveillance and control to minimize damage to the environment by noise.
5. [Include other monitoring plans as appropriate (i.e., turbidity levels, fish and wildlife monitoring, etc.)]

G. TRAFFIC CONTROL PLAN

1. If vehicular transportation is to be utilized, the following traffic control measures will be implemented:
[Insert applicable procedures to be implemented]

2. Traffic control measures at the project site for off-road, state , city and highway traffic may not be applicable, however navigational aids for dredging will be provided as described below:

[Insert applicable procedures to be implemented]

H. METHODS OF SURFACE AND GROUNDWATER PROTECTION

Methods of protecting surface and groundwater during dredging activities are described in Paragraph B.3, “Protection of Water Resources”.

I. PROPOSED ACTIVITY PLAN

As applicable, the plan showing the proposed activity in each portion of the work area is described in Paragraph E, “Area Drawings and Plans”.

J. RECYCLING AND WASTE PREVENTION PLAN

Every effort will be made to participate in State and local government sponsored recycling programs to reduce the volume of solid waste materials at the source. The following measures will be implemented to reduce consumption of energy and natural resources:

[Insert applicable procedures to be implemented]

K. TRAINING

Personnel involved in dredging activities will be trained in all phases of environmental protection, including, but not limited to, the following:

1. Methods of detecting and avoiding pollution.
2. Familiarization with pollution standards.
3. Installation and care of facilities to ensure adequate continuous environmental pollution control.
4. Instruction in proper use and care of monitoring devices and abatement equipment.
5. Knowledge of all applicable Federal, State, and Local laws, regulations, and permits.
6. [Include other training requirements as appropriate]

L. SPECIES REQUIRING SPECIAL ATTENTION

As described in the project's Section 404 Evaluation, presented below is a list fish and wildlife species that require special attention, along with measures for their protection:

[Insert applicable species, along with protective measures to be implemented]

M. SPILL RESPONSE PLAN

1. General

- a. The following is a list of contaminants that may be encountered/stored onboard vessels during the course of dredging operations, along with the maximum quantities stored and trigger-point quantities at which each contaminant becomes subject to a mandatory reporting procedure:

[Insert applicable contaminants, along with maximum stored quantities and reporting quantities]

- b. If a reportable contaminant spill occurs, immediate notification will be made to the Contracting Officer and other applicable regulatory agencies. The notification will include a description of the material spilled, quantities, location, time, date, containment procedures used, and the proposed cleanup procedures. The following procedures will be used for communicating with the press and other governmental agencies having an interest:

[Insert applicable communication procedures]

- c. The following points of contact will be used for notification, reporting, and communication procedures:

[Insert names, addresses, telephone number, and contact persons for each possible point of contact (i.e., Contracting Officer, U.S. Coast Guard, applicable regulatory agencies, cleanup/response personnel, etc.)]

- d. The following materials and equipment will be immediately available at the job site, to allow cleanup work of the potential hazard(s) identified:

[Insert applicable materials and equipment]

- e. The following methods and procedures will be used for expeditious contaminant cleanup:

[Insert applicable procedures to be implemented]

2. Fueling Oil Spill Prevention and Cleanup

- a. Necessary measures will be taken to prevent oil or other hazardous substances from entering the ground, drainage, or other local bodies of water. Measures will include, but not be limited to, the following:

- Use of a 4-foot square, 16-gauge pan with an 8-inch minimum depth (or comparable method) to ensure that no ground contamination takes place.
 - Use of diversionary structures or equipment for preventing oil discharges from reaching a watercourse.
 - Pans will be cleaned by an approved method immediately after transferring wastes to other containers for proper disposal.
 - [Insert other applicable procedures to be implemented]
- b. Fueling will be done by threaded and cam locked fuel hose. If a spill occurs, immediate action will be taken for containment and cleanup. Such spills will be immediately reported to the Contracting Officer. One or more of the following systems will be provided at each oil storage site, each system capable of containing the contents of the largest single tank:
- Dikes, berms, or retaining walls.
 - Culverting, curbing, guttering, or other similar structures.
 - Spill diversion ponds.
 - Absorbent materials.
 - [Insert other applicable procedures to be implemented]

N. SUBCONTRACTORS

Any subcontractor engaged in the performance of activities associated with this contract will be required to be familiar with this Environmental Protection Plan and to comply with its requirements.

O. NONCOMPLIANCE NOTICE

If a notification of noncompliance is received from the Contracting Officer of any rule, regulation, or element within the Environmental Protection Plan, the Contracting Officer will be informed of the proposed corrective action, and such action will be taken upon approval.

CONTRACTOR QUALITY CONTROL PLAN TEMPLATE

ITEMS INDICATED IN RED TEXT ARE TO BE COMPLETED BY THE CONTRACTOR. INDICATE “N/A” IF NOT APPLICABLE.

NOTE: A Microsoft® Word file of the Contractor Quality Control Plan Template is included in the folder entitled “Template” on this CD-ROM.

CONTRACTOR QUALITY CONTROL PLAN

Contract No. DACW49-##-#-####

Name of Contract

Name of Contractor

A. Quality Control Organization

Name, President

Name, Vice President

Name, Quality Control System Manager

Name, Alternate Quality Control System Manager

Name, Site Superintendent

Name, Responsible for preparation and certifying pay estimates

Name, Responsible for executing contract modification

Name, Responsible for certifying contract submittals

A chart showing lines of authority is attached to this CQC Plan.

B. Resumes of the following individuals are attached to this CQC Plan:

1. CQC System Manager
2. Alternate CQC System Manager
3. Individual(s) responsible for certifying payment requests.
4. Individual(s) responsible for executing contract modifications.
5. Individual(s) responsible for certifying contract submittals.
6. **Others**

C. **[Applicable if the contract amount exceeds \$1 million]** The CQC System Manager and Alternate CQC System Manager have completed the course entitled "Construction Quality Management For Contractors". Copies of their course certificates are attached to this CQC Plan.

D. A copy of the letter to the CQC System Manager and Alternate CQC System Manager, signed by an authorized official of the firm, which describes the responsibilities and delegates sufficient authorities to adequately perform the functions of the CQC System Manager, including authority to stop work which is not in compliance with the contract is attached to this CQC Plan.

E. Copies of the CQC System Manager letters of direction to all other various quality control representatives outlining duties, authorities, and responsibilities are attached to this CQC Plan.

F. The following subcontractors will be utilized on this project:

Name of subcontractor

Work to be completed by this subcontractor

G. The CQC staff will implement the three phase control system for all aspects of the work specified. The three phase control system is described in detail in specification section 02481. Additionally, the following procedures will be used to monitor dredging quantities and locations to ensure that limits and quantities specified by the Contracting Officer are attained:

[Insert description of intended quantity and location monitoring procedures.]

H. The Major Definable Features of work for this project are identified in a table attachment to this CQC Plan.

I. For payment purposes, the Bid Items have been broken down into a Schedule of Values. The proposed Schedule of Values is identified in a table attachment to this CQC Plan.

J. Preparatory and Initial Phase inspections will be tracked utilizing the table attached to this CQC Plan.

K. Deficiencies will be tracked from identification through acceptable corrective action utilizing the table attached to this CQC Plan.

L. Submittals will be tracked utilizing the Submittal Register attached to this CQC Plan.

M. The CQC Report attached to this CQC Plan will be utilized. CQC Reports will be prepared daily and submitted to the Government Representative. Other reports to be attached to the daily CQC report are:

Preparatory Phase Inspection Checklist

Initial Phase Inspection Checklist

Others as appropriate

N. Plan of Operations - The following Plan of Operations will be used for dredging operations:

[Insert description of intended Plan of Operations to be implemented, including, but not limited to, equipment to be used, specific dredging areas, sequence of operations, cut lines and anticipated quantities, etc.]

O. List any other contract specific items

_____/Signature/_____

Name

Title

Attachments:

- Chart showing lines of authority
- Resumes
- CQC course certificates [If contract amount exceed \$1 million]
- Letter to the CQC System Manager and Alternate CQC System Manager
- CQC System Manager letters of direction
- Table: Major Definable Features of Work
- Table: Schedule of Values
- Table: Tracking - Preparatory and Initial Phase Inspections
- Table: Deficiency Tracking
- Submittal Register
- CQC Report
- Other QC reports

[INSERT CHART SHOWING LINES OF AUTHORITY]

[INSERT RESUMES]

[INSERT CQC COURSE CERTIFICATES IF CONTRACT AMOUNT EXCEEDS \$1
MILLION]

[INSERT LETTER TO THE CQC SYSTEM MANAGER AND ALTERNATE CQC SYSTEM
MANAGER]

[INSERT CQC SYSTEM MANAGER LETTERS OF DIRECTION]

Contract No. DACW49-##-#-####

Name of Contract

Name of Contractor

Major Definable Features of Work

ID No.	Major Definable Feature of Work
	[Complete Table]

Contract No. DACW49-##-#-####

Name of Contract

Name of Contractor

Schedule of Values

Bid Item No.	Activity No.	Description	Feature ID No.	Amount
		[Complete Table]		

The total amount of all activities under a Bid Item must equal the amount of the Bid Item.

Feature ID No. relates the Major Identifiable Feature of Work.

When the contract requires As-Built Record Drawings, include an activity and dollar amount.

Name of Contract
Name of Contractor

[illegible]

Name of Contract
Name of Contractor

Name of Contractor

[illegible][illegible]

[INSERT COMPLETED SUBMITTAL REGISTER]

[INSERT CQC REPORT FORMS TO BE USED]

[INSERT OTHER QC REPORT FORMS AS APPLICABLE]

BUFFALO RIVER UTILITY CROSSINGS – LEGEND & DESCRIPTION

- A – AIR REDUCTION COMPANY – two (2) 10” steel air lines, 50’ downstream of Erie-Lackawanna RR Bridge (-35’ LWD).**
- B – NIAGARA MOHAWK POWER CORPORATION – four (4) power submarine cables, 32’ upstream of South Park Avenue Lift Bridge (-38’ LWD).**
- C – CITY OF BUFFALO – 54” diameter concrete pipeline, 210’ upstream of Buffalo Creek RR Bridge (-61.5’ LWD).**
- D – CITY OF BUFFALO – three (3) 3-1/2” diameter plastic pipes below Michigan Avenue Lift Bridge, on River natural bottom.**
- E – CITY OF BUFFALO – 16” water pipeline, 32’ upstream of South Park Avenue Lift Bridge (-33’ LWD).**
- F – CITY OF BUFFALO – 2-1/4” diameter television cable in trench, immediately upstream of South Park Avenue Lift Bridge (-35’ LWD).**
- G – NEW YORK TELEPHONE – 2.64” armored communications cable, 30’ downstream of removed Lower Michigan Avenue Bridge (-35’ LWD).**
- H – CITY OF BUFFALO – 16” diameter water pipeline, 100’ downstream of Michigan Avenue Lift Bridge (-35’ LWD).**
- I – CITY OF BUFFALO – 4” diameter submarine cable, 130’ downstream of South Park Avenue Lift Bridge (-30’ LWD).**
- J – NEW YORK CENTRAL RAILROAD – submarine cable, 60’ downstream of N.Y. Central RR Bridge (-35’ LWD).**
- K – NIAGARA MOHAWK POWER CORPORATION – twelve (12) 4” steel conduits approximately 30’ upstream of South Park Avenue Lift Bridge (-35’ LWD).**
- L – CITY OF BUFFALO – five (5) 2-3/4” & four (4) 2-1/2” armored power cables, immediately downstream of South Park Avenue Lift Bridge (-30’ LWD).**
- M – CONSOLIDATED RAILROAD COMPANY – 2” diameter electric cable, 30’ upstream of Buffalo Creek RR Bridge (-30’ LWD).**
- N – U.S. SPRINT – two (2) 4” steel pipe for fiber-optic cable, 30’ upstream of N.Y. Central RR Bridge (-27’ LWD).**
- O – NEW YORK TELEPHONE – eight (8) 4” diameter submarine cables, 160’ downstream of South Park Avenue Lift Bridge (-30’ LWD).**
- P – NEW YORK TELEPHONE – submarine communications cable, approximately 50’ downstream of South Park Avenue Lift Bridge (-30’ LWD).**
- Q – MCI TELECOMMUNICATIONS CORPORATION – submarine communications cable in 5” conduit, approximately 20’ upstream of N.Y. Central RR Bridge (-33’ LWD).**

78 52 44.23305
N 42 50 05.20603
W 1.070,000
N 1.033,000

78 52 44.18597
N 42 49 55.32009
W 1.069,000
N 1.032,000

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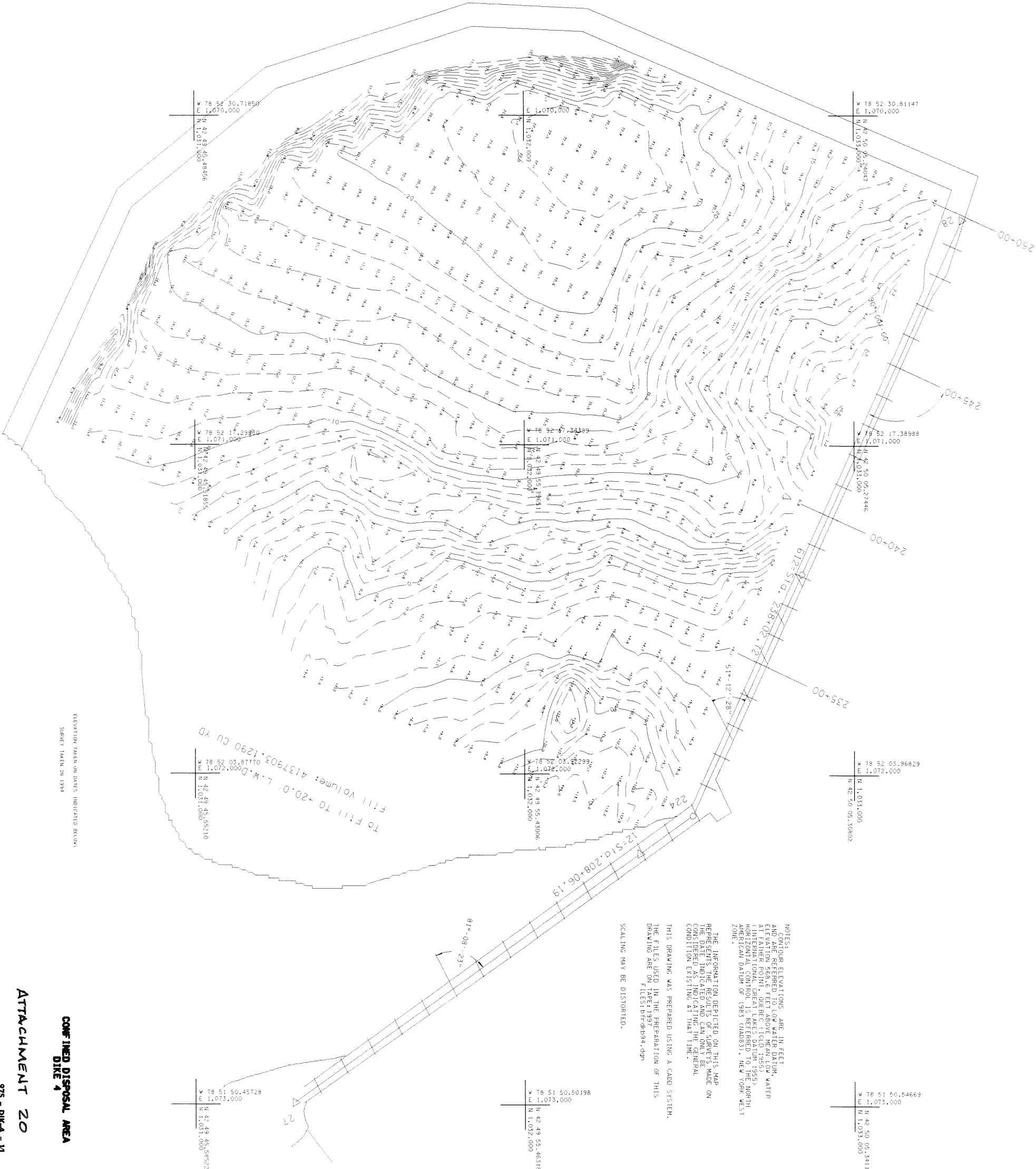
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N 1.033,000

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N 42 50 05.34134
W 1.073,000
N 1.033,000

78 51 50.45728
N 42 49 45.58522
W 1.073,000
N 1.031,000



ELEVATION TAKEN ON DATES INDICATED BELOW.
SURVEY TAKEN IN 1994

CONFINED DISPOSAL AREA
DIKE 4

ATTACHMENT 20

975 - DIKE 4 - 11